

SON-1684/KOI



2876

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the U.S. Application of)

Norio NAGATSUKA ET AL)

Serial No. 09/701,254)

Filed: November 27, 2000)

For: ROBOT DEVICE, CONTROL METHOD)
FOR ROBOT DEVICE, AND PROGRAM)
RECORDING MEDIUM)

Art Unit: 2876

Examiner:

RECEIVED

AUG 15 2001

TO 3600 MAIL ROOM

LETTER RE TRANSMITTAL OF TRANSLATION OF THE INTERNATIONAL
PRELIMINARY EXAMINATION REPORT

Assistant Commissioner of Patents
Washington, D.C. 20036

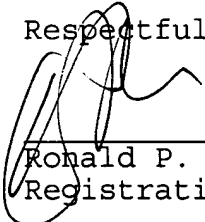
Sir:

For the information of the Examiner, and supplementing the Information Disclosure Statement Accompanying Filing of a copy of the PCT Notification of Transmittal of Copies of Translation of the International Preliminary Examination Report is enclosed. The noted translation has been transmitted to the U.S. selected receiving office. The translation includes a reasoned statement as to novelty, inventive step, and industrial applicability.

While a copy was transmitted through the PCT International Bureau, this paper is filed directly with the U.S. PTO for the convenience of the Examiner.

Respectfully submitted,

Dated: July 2, 2001



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PATENT COOPERATION TREATY

PCT

NOTIFICATION OF TRANSMITTAL
OF COPIES OF TRANSLATION
OF THE INTERNATIONAL PRELIMINARY
EXAMINATION REPORT

(PCT Rule 72.2)

From the INTERNATIONAL BUREAU

To:

KOIKE, Akira
No. 11 Mori Building
6-4, Toranomom 2-chome
Minato-ku, Tokyo 105-0001
JAPON

Date of mailing (day/month/year)

28 May 2001 (28.05.01)

Applicant's or agent's file reference

SK99PCT86

IMPORTANT NOTIFICATION

International application No.

PCT/JP99/06588

International filing date (day/month/year)

25 November 1999 (25.11.99)

Applicant

SONY CORPORATION et al

1. Transmittal of the translation to the applicant.

The International Bureau transmits herewith a copy of the English translation made by the International Bureau of the international preliminary examination report established by the International Preliminary Examining Authority.

2. Transmittal of the copy of the translation to the elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following elected Offices requiring such translation:

EP,CN,US

The following elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

JP,KR

3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report.

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Facsimile No. (41-22) 740.14.35

Authorized officer

Eliott Peretti

Telephone No. (41-22) 338.83.38

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Translation

PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference SK99PCT86	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/JP99/06588	International filing date (day/month/year) 25 November 1999 (25.11.99)	Priority date (day/month/year) 30 November 1998 (30.11.98)
International Patent Classification (IPC) or national classification and IPC B25J 13/08, 13/00, 5/00		
Applicant SONY CORPORATION		

<p>1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>3</u> sheets, including this cover sheet.</p> <p><input type="checkbox"/> This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</p> <p>These annexes consist of a total of _____ sheets.</p>	
<p>3. This report contains indications relating to the following items:</p> <p>I <input checked="" type="checkbox"/> Basis of the report</p> <p>II <input type="checkbox"/> Priority</p> <p>III <input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p>IV <input type="checkbox"/> Lack of unity of invention</p> <p>V <input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p>VI <input type="checkbox"/> Certain documents cited</p> <p>VII <input type="checkbox"/> Certain defects in the international application</p> <p>VIII <input type="checkbox"/> Certain observations on the international application</p>	

Date of submission of the demand 23 May 2000 (23.05.00)	Date of completion of this report 16 January 2001 (16.01.2001)
Name and mailing address of the IPEA/JP	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP99/06588

I. Basis of the report

1. With regard to the elements of the international application:*

- ☒ the international application as originally filed
- ☐ the description:
 pages _____, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____
- ☐ the claims:
 pages _____, as originally filed
 pages _____, as amended (together with any statement under Article 19
 pages _____, filed with the demand
 pages _____, filed with the letter of _____
- ☐ the drawings:
 pages _____, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____
- ☐ the sequence listing part of the description:
 pages _____, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item. These elements were available or furnished to this Authority in the following language _____ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/fig _____

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP99/06588

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	4-7,11-14	YES
	Claims	1-3,8-10	NO
Inventive step (IS)	Claims	4-6,11-13	YES
	Claims	1-3,7-10,14	NO
Industrial applicability (IA)	Claims	1-14	YES
	Claims		NO

2. Citations and explanations

The subject matters of claims 1-3 and 8-10 do not appear to be novel in view of document 1 [JP, 10-149445, A (Laboratories of Image Information Science and Technology), 2 June, 1998 (02.06.98)] or document 2 [EP, 816986, A (Hitachi, Ltd.), 7 January, 1998 (07.01.98), & JP, 10-113343, A] respectively cited in the ISR.

Document 1 or 2 describes a robot that recognizes its own status with reference to the time series signals detected by a gyro sensor.

The subject matters of claims 7 and 14 do not appear to involve an inventive step in view of document 1 or 2, and document 3 [JP, 5-169378, A (Hitachi, Ltd.), 9 July, 1993 (09.07.93)] cited in the ISR.

It is considered to be easy for a person skilled in the art, to apply the constitution described in document 3 that a robot recognizes its own status based on the state of contact with the ground surface, to the robot described in document 1 or 2.

The subject matters of claims 4-6 and 11-13 appear to involve an inventive step in view of the documents cited in the ISR. The constitution that a moving section is halted in the case where the own status is the lifted state, is neither described in any of the documents cited in the ISR nor obvious to a person skilled in the art.